



EASY ASSEMBLY, DONNING AND DOFFING.
FLEXIBLE CUSTOMIZATION. **NO FIT TESTING REQUIRED.**



MAXAIR[®] SYSTEMS
protecting you with every breath

MAXAIR SYSTEMS



Features and Benefits

- NIOSH Approved
- No fit Testing
- Recirculates **Filtered** Air
- Clear, Wide Field of Vision
- No Face Mask Required
- Cool and Comfortable
- High Fluid Resistance
- 8 to10 hour battery
- 12 to15 hour battery



Complete with real-time HUD LED
battery and airflow indicator

CAPR NIOSH Approvals

Schedule	Approval	Manufacturer Name	Facepiece Type	Product Line or Model
21C	1040	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1041	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1047	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1049	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1050	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1051	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1089	Syntech International (BMD)	Helmet	MAXAIR Powered Air Purif Filter
21C	1131	Syntech International (BMD)	Helmet	Model Maxair Powered Air and Filter
21C	1132	Syntech International (BMD)	Helmet	Model Maxair Powered Air and Filter
21C	1133	Syntech International (BMD)	Helmet	Model Maxair Powered Air and Filter
21C	1134	Syntech International (BMD)	Helmet	Model Maxair Powered Air and Filter
21C	1138	Syntech International (BMD)	Hood	Model Maxair Powered Air and Filter
21C	1169	Syntech International (BMD)	Helmet	Model Maxair Powered Air eCAPR Helmet and Filter

CAPR System How it Works

Air Flow Pathway - 2081-03, 2083-03 Cuff and Shroud Configurations

Filter Cover
Cap*
(Greyish-
White)

Filter
Cartridge**
(Blue)

Outer
Shell
(White)

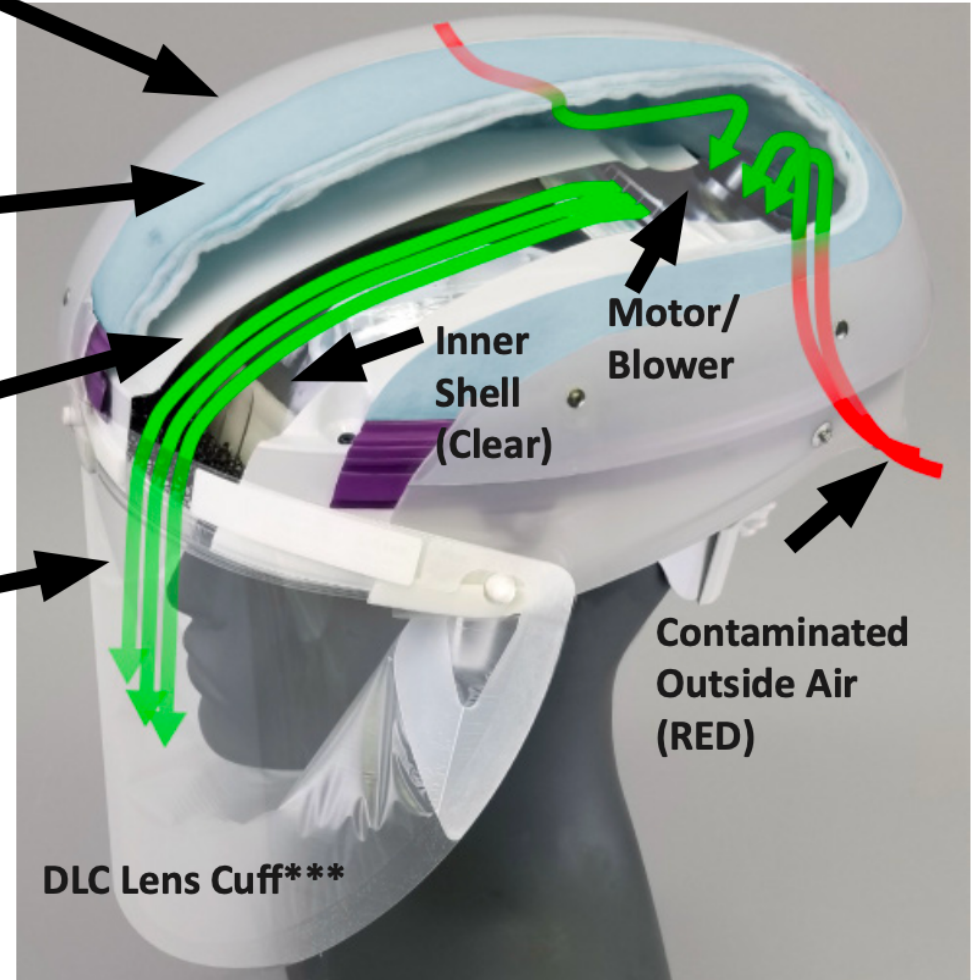
Clean
Filtered
Air
(GREEN)

Inner
Shell
(Clear)

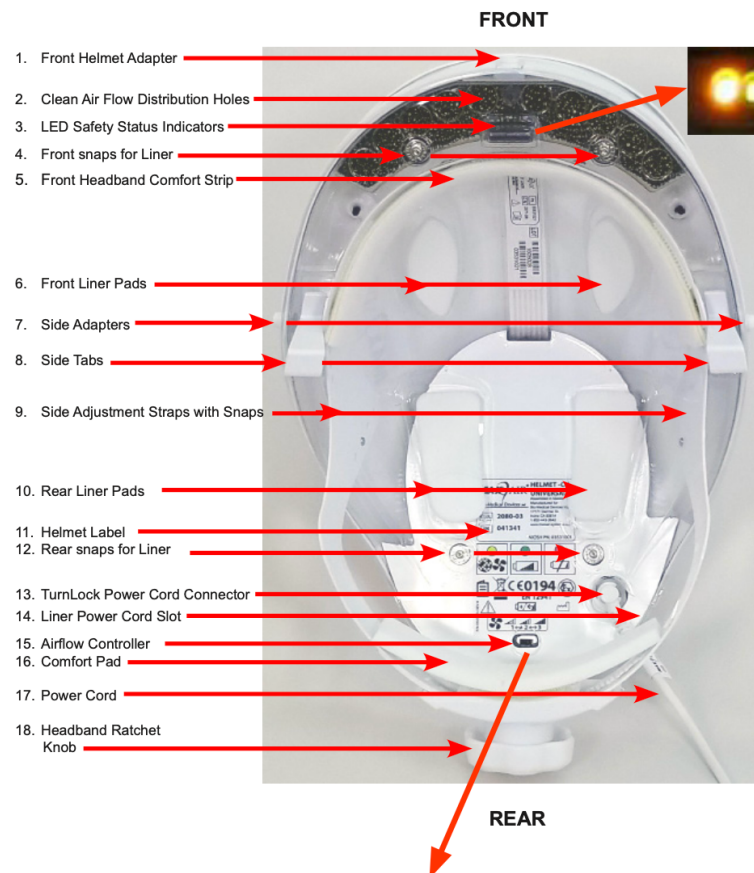
Motor/
Blower

Contaminated
Outside Air
(RED)

DLC Lens Cuff***



CAPR Helmet Features



LED SAFETY STATUS INDICATORS

- Five LED Safety Status IndicatorVs located at Helmet underside front are always visible in the user's peripheral vision to alert the user of safe air-flow and battery charge remaining operating conditions. They provide early warning to the user when the Helmet is no longer able to maintain adequate airflow and/or Battery charge to provide adequate or continuing protection for the user.
- There is one yellow, three green, and one red LED. On start-up, all LED's come on briefly (LED test) before proceeding to normal operation. During normal operation, the LEDs continuously indicate the status of the Airflow and Battery charge level.
- Airflow is proper if the Yellow LED is off. A continuously lit or flickering Yellow LED indicates low or marginal airflow. If the Yellow LED is lit, check the Filter Cartridge for excess particulate/dirt build-up and damage, and replace if necessary.
- The Battery charge level is indicated by the three Green and one Red LEDs. The approximate charge level is continuously indicated by the changing LEDs.

STATE	DESCRIPTION	YELLOW	GREEN 3	GREEN 2	GREEN 1	RED
1	Charge OK, 75% to 100%; Airflow OK		✓	✓	✓	
2	Charge OK, 50% to 75%; Airflow OK			✓	✓	
3	Charge OK, 25% to 50%; Airflow OK				✓	
4	Charge LOW, 0% to 25%; Airflow OK					✓
5	Airflow LOW; Charge LOW	✓				✓
6	Airflow LOW; Charge OK, 75% to 100%	✓	✓	✓	✓	
7	Airflow LOW; Charge OK, 50% to 75%	✓		✓	✓	
8	Airflow LOW; Charge OK, 0% to 50%	✓			✓	

Air Flow Switch Position		
Low	Med	High
Air Flow in Liters Per Minute		
190	215	240



NOTE

The flow levels, in liters per minute, are only approximate.

CAPR Base System



Helmet

2081-03 shown; options include 2083-03, 2084-04

All Helmets include and ship with a:

Cage: 2051-07

Power Cord: 2590-05 (Alternate is 2590-08)

Liner: 2071-08 for 2081-03 and 2084-04,
2071-07 for 2083-03



Battery, Li-Ion

Battery typical run time per full charge allows optimizing charging frequency to duration of use per day

2500-36TSC (shown) is typically 4-10 hr/charge

2500-37TSC is typically 6-15 hr/charge

Secure-Lock w/Pushbutton Release ensures connection

Secure Belt Clip keeps Battery in place on Belt



Battery Belt

2000-76 Nylon (Decon Alternates are 2000-77, 2000-78)

Belt may be placed under the outer gown to protect from contamination and decrease time and cost of cleaning



Battery Charger

2600-02 (Alternate is 2602-06 6-Gang Charger)

Charger choices allow optimizing number of batteries to number of electrical outlets available

Integrated timer discontinues charging when at full charge

Status LED indicates charging sequence

CAPR Complete Starter Kits



CUFF Starter Kit



CAPR Filters



1 FILTER CAP, HE

P/N: 2180-05

NIOSH Approved HE High Efficiency Filtration, Particulate



2 FILTER CARTRIDGE, XP

P/N: 2167-10 XP

NIOSH Approved HE High Efficiency Filtration, Particulate
Extra performance filtration efficiency (>99.99%)
High Protection Factor, APF 1,000 (with Shroud Systems)



3 FILTER CARTRIDGE, XP N-OV

P/N: 2166-10 XP N-OV

NIOSH Approved HE High Efficiency Filtration, Particulate
Extra performance filtration efficiency (>99.99%)
High Protection Factor, APF 1,000 (with Shroud Systems)
Relief from nuisance levels¹ of organic vapors

CAPR Configurations



CUFF

DLC-Cuff

REF: 2365-02ML, 2365-02SM

Full Face Protection.
Easy and Fast - SnapOn, SnapOff.
Lowest Cost PAPR protection.

*REF: 2365RB-02ML, REF: 2365RB-02SM are
alternate Reusable Box (Plastic) packaging.



SHROUD - SINGLE

DLC-Shroud

REF: 2260-05ML, 2260-05SM

Full 360° Head and Neck Protection.
Easy and Fast Decon Between Uses.
Materials are Level 4
Most Cost Effective Full Coverage Protection.



SHROUD - DOUBLE

DLC-Double Shroud

REF: 2261-01ML, 2261-01SM

Full 360° Head and Neck Protection.
Easy and Fast Decon Between Uses.
Outer layer materials are Level 4
Additional, Inner Shroud Sealing.
Filtered Exhaust efficiency $\geq 97\%$.

CUFF, SHROUD FILTER PROTECTION



Filter Cover Cap
Translucent Protective Cover
for Filter Caps/Filter Cartridges
REF: 2061-08

Play Video



CAPR APF Levels

MAXAIR Systems PAPR configurations are either the Helmet/Hood (Hood and Shroud) or Loose-fitting facepiece (Cuff) configurations.

MAXAIR CAPR configurations have been tested and the demonstrated performance levels relative to APF as indicated in the table below.

		NIOSH FILTER CLASS: PAPR HE (MAXAIR Cuff and Shroud Configurations ONLY)				
		2180-05	2167-10 XP		2166-10 XP N-OV	
HELMETS (Approved for Filters indicated)	2070-03	2081-03	2070-03	2083-03	2070-03	2083-03
	2075-03	2081-03	2075-03	2083-03	2075-03	2083-03
	2081-03	2083-03	2081-03		2081-03	
	2084-04*					

CUFF:	APF				
2365-02ML, 2365-02SM		25	25		25
2366-02ML, 2366-02SM		25		25	25
SHROUD:	APF				
2260-05ML, 2260-05SM		25	1,000		1,000
2261-01ML, 2261-01SM		25	1,000	1,000	1,000
2264-01ML, 2264-01SM		25		1,000	1,000

NIOSH FILTER CLASS:	HOOD (Integrated Filter) :	APF
PAPR HE	2271PB-07ML, 2271PB-07SM	1,000
PAPR HE	2272PB-07ML, 2272PB-07SM	1,000
PAPR100-N	2271PB-100ML, 2271PB-100SM	25
PAPR100-N	2272PB-100ML, 2272PB-100SM	25
PAPR100-N	2281PH-100	25
PAPR100-N	2281PR-100*	25
PAPR100-N	2281PRS-100*	1,000

NOTES:

For Filters with APF = 25, the Filter Efficiency is 99.97%.

For Filter with APF = 1,000, the Filter Efficiency is 99.99%.

* 2084-04 Helmet is only for the Hoods indicated with an " * ".

CAPR Helmet Hood

PH Hoods

used with Non-PR Style Helmets

Two Helmet Configurations

Option A:

REF #: 2099-05

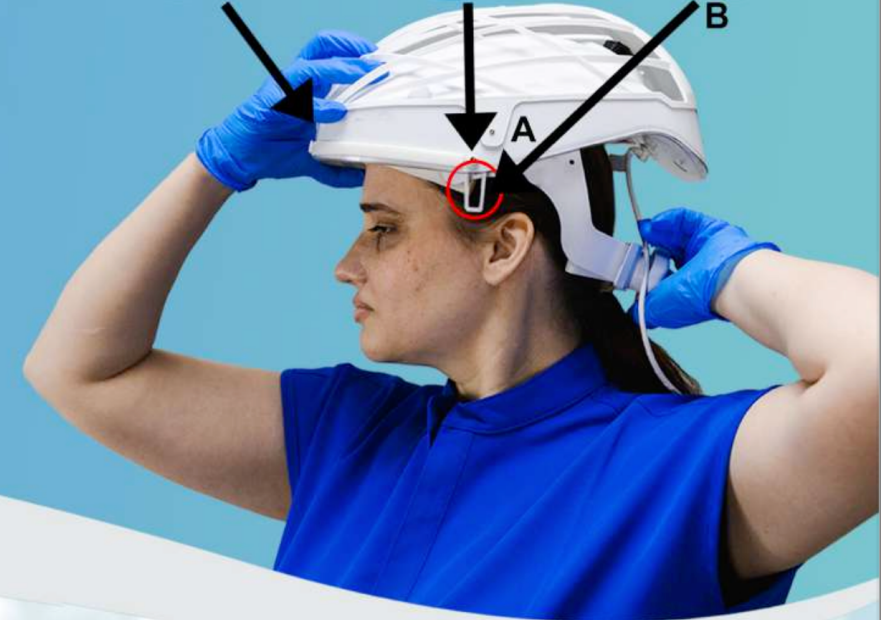
Side Tabs

Option B:

REF #: 2099-09

Chinbar

CAPR Helmet Standard Mounts



CAPR Hoods

SINGLE SHROUD HOODS



REF: 2271PB-100ML
REF: 2271PB-100SM

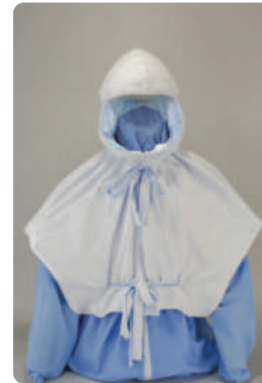


REF: 2271PB-07ML
REF: 2271PB-07SM

DOUBLE SHROUD HOODS



REF: 2272PB-100ML
REF: 2272PB-100SM



REF: 2272PB-07ML
REF: 2272PB-07SM

FILTERED EXHAUST HOODS



REF: 2281PH-100



REF: 2281PR-100
REF: 2281PRS-100



2172-97 HLF
(Heavy Loading Filter)

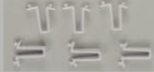


2061-05 HFR-FCC
(High Fluid Resistance
Filter Cover Cap)

Play Video



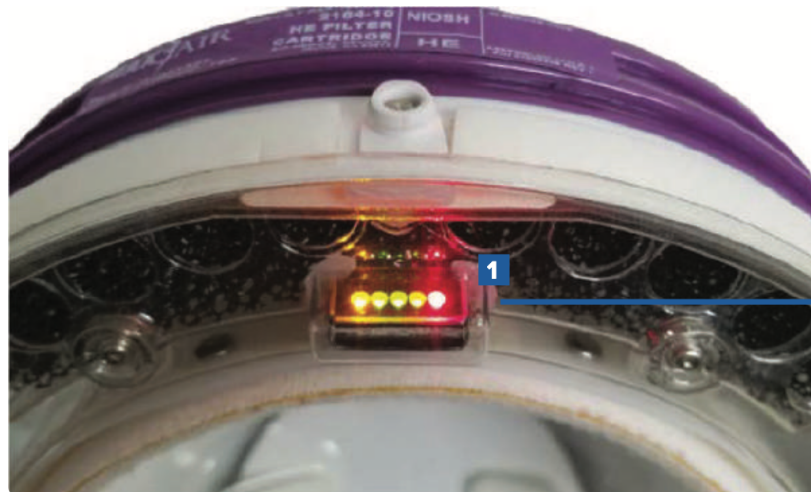
CAPR Accessories

	2000-201 Front Headband Comfort Strips
	2000-209 Rear Headband Comfort Pads
	2000-206 Pads for 2071-08 Liner
	2099-03 Pads for 2071-07 Liner
	2099-05 Liner Side Tabs
	2099-10 Adapters and Rivets Kit for 2081-03 and 2083-03 CAPR Helmets
	2099-12 Adapters Kit for 2061-08 FCC
	2099-14 Adapters Kit for 2061-04A Hard Hat
	2099-15 Helmet Turnlock Connector Kit

CAPR Helmet Battery Indicators

SAFE - ALWAYS ON AND VISIBLE

1. Front-mounted Safety LEDs display critical information from System/Air-Flow Computer-Controller
 2. LEDs provide real-time Heads-Up Display to Wearer in upper peripheral vision
- Constant, during-use awareness of Safe Air Flow and Battery Run-Time conditions
 - No confusing audible alarms
 - No need to stop and make manual checks, look away from critical activity, or ask a helper to read a “fuel guage”



All five LEDs are shown on as is the case each time the Helmet is powered on.

NOTE: LEDs are illustrated; Actual display is only visible to wearer.

CAPR Batteries

BATTERIES (Li-Ion)



Typ. 6-15 Hr/Chg
REF: 2500-37TSC¹



Typ. 4-10 Hr/Chg
REF: 2500-36TSC²

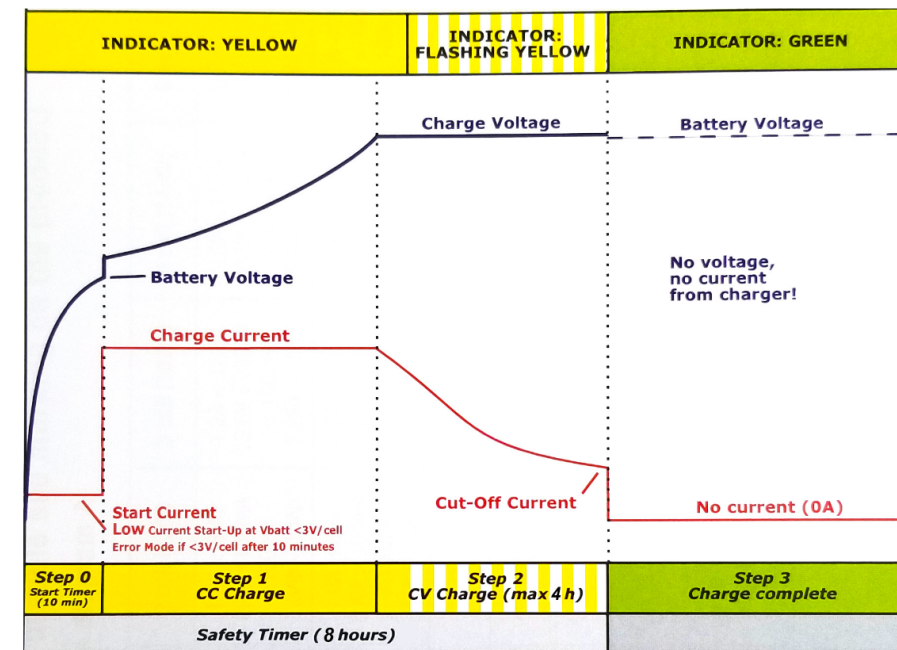
CAPR Charger



O.N. 2600-02
P/N 01432202

Charging Characteristics and LED Indication

- Step 1 - Constant Current Charge cycle starts automatically when connected to mains and battery is connected to charger. The LED is YELLOW. Maximum charger current allows rapid charging to 80-95% capacity.
- Step 2 - Constant Voltage (Timer) Charge. Charge voltage is constant and charge current is decreasing. The LED is FLASHING YELLOW. This continues until current has decreased to end of charge detection level or until Timer runs out (8 hours). The battery is charged to full capacity.
- Step 3 - Charge Complete. The LED turns GREEN, the battery is charged to full capacity; the charge current is zero. A new charge cycle will be initiated if battery voltage decreases with 0.1 V/cell.



CAPR Belts



REF: 2000-76
72", Nylon

BATTERY BELTS

REF: 2281PR-100

REF: 2281PH-100



REF: 2000-76
50", Cleanable



REF: 2000-76
70", Cleanable

CAPR Storage Cart



Standard Cart when fully loaded

- Six MAXAIR Systems
- 6-Gang Charger - Batteries Always Ready
- Single Lock for Doors and Lid
- Don/Doff Assembly Poster
- Locations for:
 - Comfort Strips
 - In-Use and Spare DLCs
 - Gloves
 - Decon Wipe Canister
- Flexible shelf positioning to maximize internal storage
 - Two Helmet shelves included
 - Optional Helmet shelves available, P/N: 2762-01

CAPR System Bag





Thank you for your Time and Efforts

Please Contact us with any further questions.